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POWDER-CONTAINING PHOTOCURABLE FLOWABLE RESIN COMPOSITION**Publication number:** JP9241311**Publication date:** 1997-09-16**Inventor:** TAJIMA NOBUYOSHI; YOKOHAMA MASAKI**Applicant:** OLYMPUS OPTICAL CO**Classification:**

- international: *B32B37/00; B29C67/00; C08F2/44; C08F2/48; B32B37/00; B29C67/00; C08F2/44; C08F2/46; (IPC1-7): B29C67/00; C08F2/48; B29D9/00; C08F2/44*

- European: C08F2/48

Application number: JP19960056202 19960313**Priority number(s):** JP19960056202 19960313

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Abstract of JP9241311

PROBLEM TO BE SOLVED: To provide a powder-contg. photocurable flowable resin compsn. which enables the content by vol. of a powder in the compsn. to be reduced to maintain photocurability and enables the content by vol. of a powder in a powder-contg. resin molding in sintering to be kept high.

SOLUTION: This compsn. contains an org. monomer having one free-radical- polymerizable group, an org. cross-linker having at least two free-radical- polymerizable groups, a photopolymer. initiator, a solvent which is inert under irradiation with light and is removable by drying after photocuring, and a powder which can be converted into a three-dimensional structure by sintering in such amts. that the vol. ratio (Vx) of the powder to the compsn. is 0.27-0.4, that the vol. ratio (Vy) of the solvent to all the other ingredients except the powder is 0.55-0.775, and that the vol. ratio (Vz) of the powder to all the other ingredients except the solvent is 0.6 or higher.

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